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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/715,698	11/18/2003	Timothy James Ennis	CYEC-0003	5394
23377	7590	12/05/2006	EXAMINER	
WOODCOCK WASHBURN LLP CIRA CENTRE, 12TH FLOOR 2929 ARCH STREET PHILADELPHIA, PA 19104-2891			LOUIE, WAE LENNY	
			ART UNIT	PAPER NUMBER
			3661	

DATE MAILED: 12/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/715,698

Applicant(s)

ENNIS, TIMOTHY JAMES

Examiner

Wae Lenny Louie

Art Unit

3661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 November 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
- Paper No(s)/Mail Date 12/15/03, 12/29/03, 08/17/05.

- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date: \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 112***

Claims 4 and 5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The terms "substantial" and "substantially" in claims 4 and 5 are relative terms that render the claim indefinite. The terms "substantial" and "substantially" are not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Hsieh (5,574,443).

Regarding applicant claim 1, Hsieh discloses a vision system for use with a vehicle comprising:

- (a) a camera mountable to the opposite direction of the vehicle's primary movement (column 2, lines 60-63);
- (b) a display screen mountable and viewable by the vehicle operator (column 2, lines 5-26) that has a night illumination function (column 5, lines 55-67);
- (c) an image inverter (column 1, lines 40-57);
- (d) a power switch for providing electrical power to the display screen (column 2, lines 5-26).

Regarding applicant claim 7, Hsieh discloses a means for providing a vehicle operator with a field of view comprising:

- (a) means for capturing an image that is mountable to a vehicle (column 2, lines 60-63)
- (b) means for displaying said image is mountable to said vehicle (column 2, lines 5-26), and for displaying a night illumination function for viewing at night (column 5, lines 55-67)
- (c) means for inverting image (column 1, lines 40-57)
- (d) means for providing electrical power to the display screen (column 2, lines 5-26).

Claim 2 is rejected under 35 U.S.C. 102(b) as being anticipated by Lee (5680123).

Regarding applicant claim 2, Lee discloses a vision system for use with a vehicle comprising:

- (a) a camera mountable to the vehicle (column 3, lines 25-34)
- (b) an angle adjusting component for changing the angle of the camera (column 3, lines 47-67)
- (c) a display screen mountable to the vehicle (column 3, lines 47-67)
- (d) a link between the turn signals of the vehicle and the angle adjusting component for changing the angle of the camera mountable to the vehicle (column 3, lines 47-67)

Claim 3 is rejected under 35 U.S.C. 102(e) as being anticipated by Kakinami et al (6,813,371).

Regarding applicant claim 3, discloses a vision system for use with a vehicle comprising:

- (a) a camera mountable to the vehicle (column 4, lines 50-65)
- (b) an angle adjusting component for changing the angle of the camera (column 4, lines 8-40)
- (c) a display screen mountable to the vehicle (column 4, lines 8-40)
- (d) a link between the transmission of the vehicle and the angle adjusting component for changing the angle of the camera mountable to the vehicle (column 4, lines 8-40)

Claim 4 is rejected under 35 U.S.C. 102(b) as being anticipated by Bos (6,201,642).

Regarding applicant claim 4, Bos discloses a vision system for use with a vehicle comprising:

- (a) a camera mountable to the vehicle (column 2, lines 1-49);
- (b) a display screen mountable to the vehicle (column 2, lines 26-49);
- (c) vehicle operator controls for changing the angle of the camera mountable to the vehicle (column 8, lines 33-55).

Claims 5 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Miki et al (6,476,731).

Regarding applicant claim 5, Miki et al disclose a vision system for use with a vehicle comprising:

- (a) a first camera mountable to the vehicle positioned for viewing in a forward direction and a second camera mountable to the vehicle positioned for viewing in a rearward direction (column 8, lines 1-22);
- (b) an image inverter capable of inverting the second camera mountable to the vehicle (column 4, lines 42-48);
- (c) a display screen mountable to the vehicle that optionally displays images from one or both of said two cameras (column 10, lines 25-65).

Regarding applicant claim 6, Miki et al disclose a display screen that provides an image to a vehicle operator comprising:

- (a) two or more cameras mountable to a vehicle (column 10, lines 25-65);
- (b) a display screen mountable to the vehicle and displays simultaneously the image from more than one of the cameras (column 10, lines 25-65).

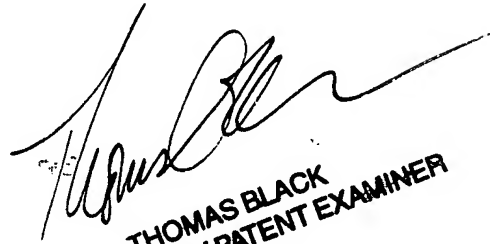
**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wae Lenny Louie whose telephone number is 571-272-5195. The examiner can normally be reached on M-F 0800-1630.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas G. Black can be reached on 571-272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

WLL

  
THOMAS BLACK  
SUPERVISORY PATENT EXAMINER